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DIALOG(R) File 351:DERWENT WPI
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010257634 **Image available**

WPI Acc No: 95-158889/199521

XRAM Acc No: C95-073536

Anti-dementia agent comprising docosa-hexaenoic acid - used to inhibit cerebral function disorders caused by cerebral ischaemia

Patent Assignee: SAGAMI CHEM RES CENTRE (SAGA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 7082146	A	19950328	JP 94115750	A	19940530	A61K-031/20	199521 B

Priority Applications (No Type Date): JP 93201967 A 19930723

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
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JP 7082146	A		5			
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Abstract (Basic): JP 7082146 A

Agent comprises docosahexaenoic acid.

The agent prevents or improves cerebral function disorders caused by late nerve cell necrosis.

Pref. docosahexaenoic acid includes the free acid, its salts, its ester, glyceride, phospholipid, choline cpd., ascorbic acid cpds. and amino acid cpds. The oil contg. docosahexaenoic acid as free acid is (i) fish oil extracted from sardines, mackerels, horse mackerel, salmon or saury; (ii) fish oil derived from fat of tunny and bonito; and (iii) oil derived from microorganism, etc.

USE - The agent inhibits cerebral function disorders caused by cerebral ischaemia, and improves the dementia symptoms without side effects. The agent is administered orally in the form of powder, granules, capsules, tablets, syrup and elixirs; and parenterally in a form of injection. The amt. of docosahexaenoic acid is 10-100 (50-100)wt.%. .

In an example, wistar male rats (280-300 g wt., 7 week old) were trained once a day to acquire space recognition ability a radiated maze with octonary paths which had baits at each end. The vertebral arteries of the rats were cut by electric burning by Pulsinelli and Brierly method, and common carotid arteries were ligatured by a clip for 10 mins. Docosahexaenoic acid (DHA) (ethylester, purity 97%) was administered orally in an amt. of 1 mg/kg for 21 days before and for 7 days after ligature, and the numbers of correct selections of the baits and those of the failures were counted. The results showed that the numbers of the correct selections of the baits were improved when the DHA (1 mg/kg) was administered 21 times. The improvement of the failures was not clearly recognised.

Dwg.0/0

Title Terms: ANTI; DEMENTIA; AGENT; COMPRISE; DOCOSA; HEXA; ENOIC; ACID; INHIBIT; CEREBRAL; FUNCTION; DISORDER; CAUSE; CEREBRAL; ISCHAEMIC

Derwent Class: B05

International Patent Class (Main): A61K-031/20
International Patent Class (Additional): C07C-057/03
File Segment: CPI
Manual Codes (CPI/A-N): B04-B01C2; B05-B01P; B10-C04E; B14-F02D1; B14-J01A4
Chemical Fragment Codes (M2):
01 H7 H723 J0 J011 J171 J271 M210 M211 M212 M213 M214 M215 M216 M220
M221 M222 M226 M231 M232 M233 M280 M281 M320 M416 M630 M781 M903
M904 P446 V330 V771 R04471-U R13713-U 9521-20101-U
Specific Compound Numbers: R04471-U; R13713-U
Generic Compound Numbers: 9521-20101-U
?t 009926001/9

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WPI Acc No: 94-193712/199424

XRAM Acc No: C94-088235

Medicament contg. docosa-hexaenoic acid phosphatide - for treating
cardiovascular disorders and cerebral essential fatty acid deficiency.
Patent Assignee: IMEDEX SA (IMED-N); INSERM INST NAT SANTE & RECH MEDICALE
(INRM); INST NAT SANTE & RECH MEDICALE (INRM)
Inventor: BAYON Y; CHIROUZE V; CROSET M; LAGARDE M; LECERF J; TAYOT J;
THIES F B; THIES F

Number of Countries: 020 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat	No	Kind	Date	Main IPC	Week
FR 2698269	A1	19940527	FR 9214078	A	19921124	B		199424 B
WO 9412170	A2	19940609	WO 93FR1158	A	19931124	B		199424
EP 623019	A1	19941109	WO 93FR1158	A	19931124	B		199443
			EP 94900873	A	19931124			
WO 9412170	A3	19940721	WO 93FR1158	A	19931124	B		199517
JP 7503488	W	19950413	WO 93FR1158	A	19931124	B		199523
			JP 94512847	A	19931124			
US 5654290	A	19970805	WO 93FR1158	A	19931124	B		199737
			US 94256825	A	19940921			

Priority Applications (No Type Date): FR 9214078 A 19921124

Cited Patents: 7. journal ref.; DE 3213744; EP 304603; EP 342795; GB
2218904; JP 1128919; JP 1203330; JP 3178931; JP 3297364; JP 4273817; JP
64150890

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FR 2698269	A1	.	22				
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WO 9412170	A2	F	30				
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Designated States (National): CA JP US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

EP 623019	A1	F		Based on		WO 9412170	
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Designated States (Regional): AT BE CH DE DK ES FR GB IE IT LI NL SE